

#21

Form PTO-1449 (Modified)				Atty Docket No.: 74451.P024		Serial No.: 08/941,466 08/310,141	
List of Patents and Publications Statement (Use several sheets if necessary)				Applicants: ZANDI ET AL. Filing Date: September 20, 1994			
REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Exam. Initial	Date	Document Number	Name	Class	Sub-Class	Filing Date	
TJ	1/15/91	4,985,927	NORWOOD ET AL.	382	8		
TJ	1/22/91	4,987,480	LIPPMAN ET AL.	358	13		
TJ	3/19/91	5,000,183	BONNEFOUS	128	60.01		
TJ	3/19/91	5,001,764	WOOD ET AL.	382	8		
TJ	5/7/91	5,014,134	LAWTON ET AL.	358	261.3		
TJ	5/21/91	5,018,210	MERRYMAN ET AL.	382	8		
TJ	11/26/91	5,068,911	RESNIKOFF ET AL.	382	56		
TJ	12/17/91	5,073,964	RESNIKOFF	382	41		
TJ	1/14/92	5,081,645	RESNIKOFF ET AL.	375	1		
TJ	3/10/92	5,095,447	MANNS ET AL.	395	161		
TJ	3/31/92	5,101,446	RESNIKOFF ET AL.	382	56		
FOREIGN PATENT DOCUMENTS							
No. in 4.	Document No.	Date	Country	Name	Class	Sub-Class	Translation
TJ	WO 94/23385	10/13/94	PCT		406F	15/382	
TJ	0 622 741 A2	3/30/94	Europe		406F	15/382	
TJ	GB 2 284 121 A	5/24/95	UK		NO4N	7126	
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)							
TJ	"1977 IEEE International Conference on Acoustics, Speech & Signal Processing", "Application of Quadrature Mirror Filters to Split Band Voice Coding Schemes", D. Esteban and C. Galand, p. 191-195.						
TJ	Martin Vetterli, "Filter Banks Allowing Perfect Reconstruction", Signal Processing 10 (1986), p. 219-244.						
TJ	R. E. Crochiere, S. A. Webber, J. L. Flanagan, "Digital Coding of Speech in Subbands", 1976, American Telephone and Telegraph Company, The Bell System Technical Journal, Vol. 55, No. 8, October 1976, p. 1069-1085.						
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TJ		4/7/92	5,103,306	WEIMAN ET AL.	358	133		
TJ		6/9/92	5,121,191	CASSEREAU ET AL.	358	13		
TJ		6/23/92	5,124,930	NICOLAS ET AL.	364	485		
TJ		7/7/92	5,128,757	CITTA ET AL.	358	133		
TJ		9/15/92	5,148,498	RESNIKOFF ET AL.	382	54		
TJ		10/6/92	5,152,953	ACKERMANN	266	252		
TJ		10/20/92	5,156,943	WHITNEY	430	321		
TJ		12/22/92	5,173,880	DUREN ET AL.	367	73		
TJ		5/30/95	5,420,891	AKANSU	375	350	3/93	
TJ		5/25/71	3,580,655	LEITH ET AL.	350	3.5		
TJ		4/13/76	3,950,103	SCHMIDT-WEINMAR	356	106R		
FOREIGN PATENT DOCUMENTS								
No. Init.		Document No.	Date	Country	Name	Class	Sub-Class	Trans- lation
TJ		WO 96/09718	3/28/96	PCT		H04N	1/41	
TJ		WO 95/19683	7/20/95	PCT		H04N	7/26	
TJ		EP 0701375 A2	3/13/96	EUROPE		H04N	7/24	
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)								
TJ		John W. Woods and Sean D. O'Neil, "Sub-Band Coding of Images", Proceedings ICASSP 86, Tokyo, Japan, April 1986, p. 1005-1008.						
TJ		John W. Woods, "Subband Coding of Images", IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-34, No. 5, October 1986, p. 1278-1288.						
TJ		"Proceedings: ICASSP 87", 1987 International Conference on Acoustics, Speech, and Signal Processing, April 6, 7, 8, 9, 1987, Volume 3 of 4, "Sub-band Coding of Images Using Predictive Vector Quantization", P. H. Westerink, J. Biemond and D. E. Boekee, p. 1378-1381.						
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Exam. Initial	Date	Document Number	Name	Class	Sub-Class	Filing Date	
TJ	1/30/79	4,136,954	JAMIESON	356	749		
TJ	9/16/80	4,223,354	NOBLE ET AL.	358	233		
TJ	7/8/86	4,599,567	GOUPILLAUD ET AL.	324	77		
TJ	5/5/87	4,663,660	FEDELE ET AL.	358	136		
TJ	10/20/87	4,701,006	PERLMUTTER	350	3.66		
TJ	7/26/88	4,760,563	BEYLKIN	367	73		
TJ	11/15/88	4,785,349	KEITH ET AL.	358	136		
TJ	2/14/89	4,805,129	DAVID	364	724.01		
TJ	3/28/89	4,817,182	ADELSON ET AL.	382	56		
TJ	4/11/89	4,821,223	DAVID	364	724.00		
TJ	5/2/89	4,827,336	ACAMPORA ET AL.	358	135		

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No.	Document No.	Date	Country	Name	Class	Sub-Class	Translation

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
TJ	Mark J. T. Smith and Thomas P. Barnwell, III, "Exact Reconstruction Techniques for Tree-Structured Subband Coders", IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-34, No. 3, June 1986, p. 434-441.
TJ	Marvin Vetterli, "Multi-Dimensional Sub-Band Coding: Some Theory and Algorithms", Signal Processing 6 (1984) p. 97-112.
TJ	H. Gharavi and Ali Tabatabai, "Sub-band Coding of Digital Images Using Two-Dimensional Quadrature Mirror Filtering", SPIE Vol. 707 Visual Communications and Image Processing (1986), p. 51-61.

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TJ		5/9/89	4,829,378	LEGALL	358	160		
TJ		6/6/89	4,837,517	BARBER	324	339		
TJ		9/5/89	4,864,398	AVIS ET AL.	358	140		
TJ		1/30/90	4,897,717	HAMILTON ET AL.	358	133		
TJ		2/27/90	4,904,073	LAWTON ET AL.	350	613		
TJ		5/29/90	4,929,223	WALSH	443	56		
TJ		6/26/90	4,936,665	WHITNEY	350	451		
TJ		11/27/90	4,974,187	LAWTON	364	72801		
TJ		1/1/91	4,982,283	ACAMPORA	358	133		
TJ		7/12/83	4,393,456	MARSHALL, JR.	364	724		
TJ		2/4/86	4,569,075	NUSSBAUMER	381	29		
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TJ		"Proceedings: ICASSP 87", 1987 International Conference on Acoustics, Speech, and Signal Processing, April 6, 7, 8, 9, 1987, Volume 4 of 4, "Application of Quadrature Mirror Filtering to the Coding of Monochrome and Color Images", H. Gharavi and A. Tabatabai, p. 2384-2387.						
TJ		International Search Report for Application No: GB 9518298.6, dated 8 November 1995.						
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TJ	3/24/87	4,652,881	LEWIS	342	160		
TJ	6/16/87	4,674,125	CARLSON ET AL.	382	49		
TJ	11/15/88	4,785,348	FONSALAS ET AL.	358	133		
TJ	1/17/89	4,799,179	MASSON ET AL.	364	724.1		
TJ	3/21/89	4,815,023	ARBEITER	364	724.01		
TJ	6/13/89	4,839,889	GOCKLER	370	70		
TJ	9/19/89	4,868,868	YAZU ET AL.	381	37		
TJ	4/17/90	4,918,524	ANSARI ET AL.	358	133		
TJ	9/17/91	5,049,992	CITTA ET AL.	358	140		
TJ	9/17/91	5,049,993	LEGALL ET AL.	358	140		

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TJ	12/10/91	5,072,308	LIN ET AL.	358	426		
TJ	3/17/92	5,097,331	CHEN ET AL.	358	138		
TJ	3/31/92	5,101,280	MORONAGA ET AL.	358	426		
TJ	7/7/92	5,128,791	LEGALL ET AL.	358	141		
TJ	1/26/93	5,182,645	BREEUWER ET AL.	358	141		
TJ	5/24/94	5,315,670	SHAPIRO	382	56	11/91	
TJ	6/14/94	5,321,776	SHAPIRO	382	56	2/92	
TJ	5/2/95	5,412,741	SHAPIRO	382	232	1/93	
TJ	5/15/79	4,155,097	LUX	358	135		
TJ	2/26/80	4,190,861	LUX	358	135		
TJ	11/16/93	5,262,958	CHUI ET AL.	364	487	4/91	
TJ	2/27/96	5,495,292	ZHANG ET AL.	348	407	9/93	

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